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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,991	07/11/2003	Ichio Yudasaka	103131.02	2774
25944	7590	03/01/2004	EXAMINER	
OLIFF & BERRIDGE, PLC			ROY, SIKHA	
P.O. BOX 19928			ART UNIT	
ALEXANDRIA, VA 22320			PAPER NUMBER	

2879

DATE MAILED: 03/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/616,991	YUDASAKA, ICHIO	
	<b>Examiner</b>	<b>Art Unit</b>	
	Sikha Roy	2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 July 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. ____.  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>0703.1103</u> .   | 6) <input type="checkbox"/> Other: ____.                                    |

**DETAILED ACTION*****Information Disclosure Statement***

The information disclosure statement filed October 29, 2003 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each U.S. and foreign patent; each publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. No copy of 'September 30, 2003 Japanese Examination Results' was provided and hence it was not considered by the examiner.

***Drawings***

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, 'the opposite electrode covering the terminals' as claimed in claim 4 must be shown or the feature canceled from the claim.

Additionally 'a terminal electrically connected to the opposite electrode' as claimed in claim 5 must be shown or the feature canceled from the claim.

No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

***Specification***

The disclosure is objected to because of the following informalities:

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Page 1 line 1 after 'Application No. 10/102,878 filed March 22, 2002' --now U.S. Patent 6,642,651--should be included.

Page 1 line 2 after 'Application No. 09/284,802 filed April 20, 1998' --now U.S. Patent 6,380,672--should be included.

Page 4 line 33 'the upper insulating layer' should be replaced by --the lower insulating layer--.

Page 10 line 27 's holding' should be replaced by --a holding--.

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). In claim 4 the limitation reciting 'the opposite electrode covering the terminals' fails to provide proper antecedent basis in the specification.

Appropriate corrections are required.

Claim 7 is objected to because of the following informalities: 'the scanning lien' should be replaced with --the scanning line--.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 7,8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 7 and 8 recites the limitation

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"the substrate" in claim 2. There is no recitation of a substrate in claim 2. There is insufficient antecedent basis for this limitation in the claim.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent 6,147,451 to Shibata et al.

Regarding claim 1 Shibata discloses (column 4 lines 54-67 Figs. 2,5) an organic EL display device comprising an opposite electrode 24 and a plurality of pixels each pixel including a pixel electrode 22 and an organic semi conductive film 23 (column 1 lines 37-42) deposited between the pixel electrode and the opposite electrode, the opposite electrode being formed for the plurality of pixels in common other than a region where terminal is formed.

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Referring to claim 2 Shibata discloses (Figs.2,3 column 3 lines 50-64, column 4 lines 1-16) an organic EL display device comprising plurality of scanning lines 4, plurality of data lines 5, plurality of common feed lines (common electrode lines) 6, a plurality of pixel electrodes 22 disposed correspondingly to intersections between the plurality of data lines 5 and plurality of scanning lines 4 (Fig. 4) and opposite electrodes 24 formed for the pixel electrodes in common the terminals being not covered by the opposite electrode (Fig.5). Shibata further discloses in Figs. 3 and 5 that the pixel electrodes are connected to respective common feed lines 6 through a transistor  $Tr_2$ .

Regarding claim 3 Shibata discloses (fig. 5 column 4 lines 54-65) an organic film 23 disposed between each of the pixel electrode 22 and opposite electrode 24.

Referring to claim 4 Shibata discloses (column 7 lines 27-46 Figs. 7-9) a display device comprising a substrate 1, terminals (peripheral driving integrated circuit 3a) formed on the substrate, plurality of pixel electrodes 22 disposed correspondingly to a display section 2, an opposite electrode 24 formed over the display section, an organic semi conductive film 23 disposed between each of the plurality of pixel electrodes and the opposite electrode 24 covering the terminal 3a.

Regarding claim 5 Shibata discloses (column 9 lines 5-7) the opposite electrodes electrically connected to the terminal (X-driver 33a).

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Regarding claim 6 Shibata discloses (column 6 lines 37-48) plurality of common feed lines 6 are connected to a terminal (driving integrated circuit 3).

Regarding claims 7 and 8 Shibata discloses (column 3 lines 54-65 Figs. 1,2) a scanning line driving circuit (Y-driver 31) to drive the plurality of scanning lines 4 and a data line driving circuit (X-driver 32) to drive plurality of data lines 5 are connected to terminals (driving integrated circuit 3) in peripheral region.

Claims 1-3,6-8 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,194,837 to Ozawa.

Regarding claim 1 Ozawa discloses (Fig.5 column 8 lines 18-28) a display device comprising plurality of pixels each pixel including a pixel electrode 41, an organic semi conducting film 43 deposited between the pixel electrode and an opposite electrode 'op', the opposite electrode being formed for the plurality of pixels in common other than a region where a terminal is formed (mounting pads 6 serving as terminals in Fig. 1).

Regarding claims 2 and 3 Ozawa discloses (Figs. 1,2 column 6 lines 15-60) a display device comprising a plurality of scanning lines (gate), a plurality of data lines (sig), a plurality of common feed lines (com), a plurality of pixel electrodes connected to respective common feed line through a transistor TFT30 disposed corresponding to the intersections between plurality of data lines and plurality of scanning lines, an opposite electrode op formed for the pixel electrodes in common and an organic semi conductive film disposed between each of pixel electrode and the opposite electrode.

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Regarding claim 6 Ozawa discloses in Fig. 1 that the terminals 6 include a terminal connected to the plurality of common feed lines (com).

Regarding claims 7 and 8 Ozawa discloses (Fig. 1) a scanning line driving circuit 4 to drive the plurality of scanning lines (gate) and a data line driving circuit 5 driving plurality of data lines and the terminals 6 formed on a peripheral region of the scanning line driving circuit and data line driving circuit of the substrate.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. Patent 6,630,784 to Yoneda discloses display apparatus including EL elements and thin film transistors.

### ***Contact Information***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikha Roy whose telephone number is (571) 272-2463. The examiner can normally be reached on Monday-Friday 8:00 a.m. – 4:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

S.R.

Sikha Roy  
Patent Examiner  
Art Unit 2879

  
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